



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3910-3**  
**Job Sheet 205944**



**Part No:** D3910-3

**Job Qty:** 30 pcs

**Part Name:** Crosstube Lug



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 1/21/20

**Job Tracking No:**

**Due Date:** 2/4/20

**Created By:** Patrick Lussier

**Type:** Stock

**Description:**

**Note:** DWG REV E SHEETS 1,3 IPP REV:A NEW ISSUE 09-11-25 JLM VERIFIED BY:DD IPP REV:B AS PER REV B 10-03-23 JLM VERIFIED BY:DD IPP REV:C 18.02.02 REMOVE FINISH DD VERF:JFS

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off        |
|-------|-------------------------------|--------|------------|----------|-----------|---------|------------------------|-----------|-----------------|
|       |                               |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |                 |
| 110   | Purchasing                    | 30 pcs | 2/4/20     | 2/4/20   | 0.00      | 0.00    | Purchasing - 1         | 5         | <br>JAN 21 2020 |
|       |                               |        |            |          |           |         | Purchasing - 2         | 5         |                 |
|       |                               |        |            |          |           |         | Purchasing - 3         | 5         |                 |
| 120   | Packaging 2-1 - Receive - B4B | 30 pcs | 2/4/20     | 2/4/20   | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |           | <br>JAN 21 2020 |
|       |                               |        |            |          |           |         | Packaging 2 - 2 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 3 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 5 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 4 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 6 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 7 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 8 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 9 - B4B  |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 10 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 11 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 12 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 13 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 14 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 15 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 16 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 17 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 18 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 19 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 20 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 21 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 22 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 23 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 24 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 25 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 26 - B4B |           |                 |
|       |                               |        |            |          |           |         | Packaging 2 - 27 - B4B |           |                 |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

**Container No:** S249262



**Part:** D3910-3

**Job No:** 205944

**Serial No/Batch:** S249262

**Revision:**

**Inspector:**

**Exp Date:**

**Instructions:** Various STC's

**Date:** 01/21/20

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|                                 |        |        |           |                         |                    |
|---------------------------------|--------|--------|-----------|-------------------------|--------------------|
|                                 |        |        |           | Packaging 2 - 28 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 29 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 30 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 31 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 32 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 33 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 34 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 35 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 36 - B4B  |                    |
|                                 |        |        |           | Packaging 2 - 37 - B4B  |                    |
| 130 QC 6                        | 30 pcs | 2/4/20 | 0.00 0.00 | QC 6 - 9                |                    |
|                                 |        |        |           | QC 6 - 68               |                    |
|                                 |        |        |           | QC 6 - 61               |                    |
|                                 |        |        |           | QC 6 - 40               | DAS JAN 27 2020 40 |
|                                 |        |        |           | QC 6 - 81               | 9-89               |
| 180 Packaging 3-1 - Stock - B4B | 30 pcs | 2/4/20 | 0.00 0.00 | Packaging 3 - 1 - B4B   |                    |
|                                 |        |        |           | Packaging 3 - 2 - B4B   | DAS                |
|                                 |        |        |           | Packaging 3 - 3 - B4B ✓ | ST523 80           |
|                                 |        |        |           | Packaging 3 - 4 - B4B   | 9-89               |
|                                 |        |        |           | Packaging 3 - 5 - B4B   |                    |
|                                 |        |        |           | Packaging 3 - 6 - B4B   | JAN 28 2020        |
|                                 |        |        |           | Packaging 3 - 7 - B4B   |                    |
|                                 |        |        |           | Packaging 3 - 8 - B4B   |                    |
|                                 |        |        |           | Packaging 3 - 9 - B4B   |                    |
|                                 |        |        |           | Packaging 3 - 10 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 11 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 12 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 13 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 14 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 15 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 16 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 17 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 18 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 19 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 20 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 21 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 22 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 23 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 24 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 25 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 26 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 27 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 28 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 29 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 30 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 31 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 32 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 33 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 34 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 35 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 36 - B4B  |                    |
|                                 |        |        |           | Packaging 3 - 37 - B4B  |                    |
| 190 QC 21 - SA                  | 30 pcs | 2/4/20 | 0.00 0.00 | QC 21 - SA - 21 ✓       | ST523              |
|                                 |        |        |           | QC 21 - SA - 70         | DAS                |
|                                 |        |        |           | QC 21 - SA - 53         | 21 JAN 28 2020     |

Part Op 110 - (Purchasing) ISSUE PO TO METEC, NOTE ALODINE AND PAINT AS PER QSI 005-00  
 Descriptions: 120 - (Receive & Inspect for Damage & Mat'l Certs) Ensure C of C is attach  
 130 - (QC6- All purchased or subcontracted products)  
 180 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 190 - (QC21- Final Inspection - Work Order Release)

21 Jan 2020

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**Job BOM**

| Part / Item | Component Name | Quantity            | Operation      | Container |
|-------------|----------------|---------------------|----------------|-----------|
| D2423       | Lug Extrusion  | 3.7500 ft (.125 ea) | 110-Purchasing |           |
| D3910-3P    | Crosstube Lug  | 30 pcs (1 ea)       | 110-Purchasing | 5249257   |

**Job Allocations**

| Operation      | Component Part | Required | Inventory | Allocated |
|----------------|----------------|----------|-----------|-----------|
| 110-Purchasing | D2423          | 4        | 613       | 0         |
|                | D3910-3P       | 30       | 0         | 0         |

**Part Specifications**

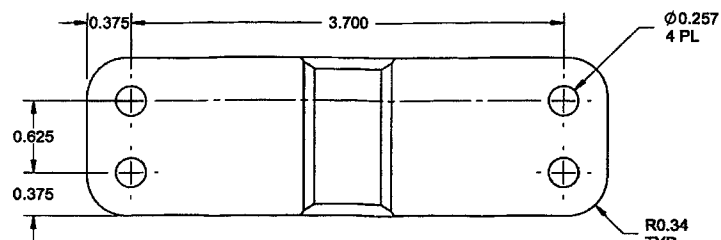
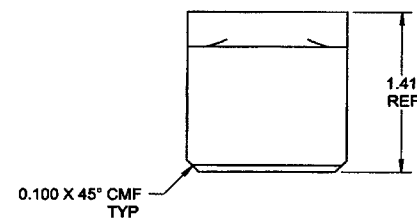
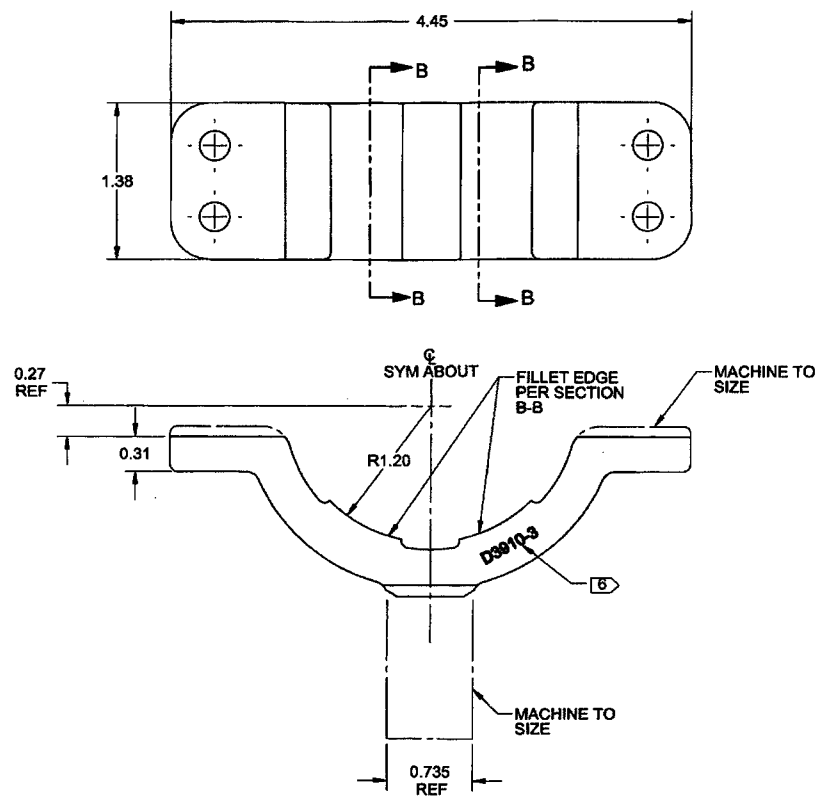
| Spec No | Description   | Target/Tolerance                   | Limits           | Type      | Special Comments |
|---------|---------------|------------------------------------|------------------|-----------|------------------|
| 1       | Crosstube Lug | 4.450Inches $\pm$ 0.030            | 4.480<br>4.420   |           |                  |
| 2       | Crosstube Lug | 1.380Inches $\pm$ 0.030            | 1.410<br>1.350   |           |                  |
| 3       | Crosstube Lug | 0.080Inches $\pm$ 0.020            | 0.100<br>0.060   | Radius    |                  |
| 4       | Crosstube Lug | 0.270Inches $\pm$ 0.030            | 0.300<br>0.240   | reference |                  |
| 5       | Crosstube Lug | 0.310Inches $\pm$ 0.030            | 0.340<br>0.280   |           |                  |
| 6       | Crosstube Lug | 0.735Inches $\pm$ 0.010            | 0.745<br>0.725   | reference |                  |
| 7       | Crosstube Lug | 1.200Inches $\pm$ 0.030            | 1.230<br>1.170   | Radius    |                  |
| 8       | Crosstube Lug | 3.700Inches $\pm$ 0.010            | 3.710<br>3.690   |           |                  |
| 9       | Crosstube Lug | 0.375Inches $\pm$ 0.010            | 0.385<br>0.365   |           |                  |
| 10      | Crosstube Lug | 0.625Inches $\pm$ 0.010            | 0.635<br>0.615   |           |                  |
| 11      | Crosstube Lug | 0.375Inches $\pm$ 0.010            | 0.385<br>0.365   |           |                  |
| 12      | Crosstube Lug | 0.340Inches $\pm$ 0.030            | 0.370<br>0.310   | Radius    |                  |
| 13      | Crosstube Lug | 0.257Inches $\pm$ 0.006<br>- 0.001 | 0.263<br>0.256   | Diameter  |                  |
| 14      | Crosstube Lug | 0.100Inches $\pm$ 0.010            | 0.110<br>0.090   |           |                  |
| 15      | Crosstube Lug | 45.000Degrees $\pm$ 0.500          | 45.500<br>44.500 | angle     |                  |
| 16      | Crosstube Lug | 1.410Inches $\pm$ 0.030            | 1.440<br>1.380   | Reference |                  |

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**SECTION B-B**



ROUND EDGE  
R0.06 MIN - 0.10 MAX  
2 PL



**D3910-3 X-TUBE LUG**

**RELEASED**

2014 JUN 05

|                                                                                                                                                                                                                                                                                           |             |                             |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|--------------|
| DESIGN                                                                                                                                                                                                                                                                                    | AJS         | <b>DART AEROSPACE LTD</b>   |              |
| DRAWN                                                                                                                                                                                                                                                                                     | AJS         | HAWKESBURY, ONTARIO, CANADA |              |
| CHECKED                                                                                                                                                                                                                                                                                   | [Signature] | DRAWING NO. <b>D3910</b>    | REV. E       |
| MFG. APPR.                                                                                                                                                                                                                                                                                | [Signature] | TITLE                       | SHEET 3 OF 5 |
| DE APPR.                                                                                                                                                                                                                                                                                  | [Signature] | <b>X-TUBE LUG (350)</b>     | SCALE        |
| DATE                                                                                                                                                                                                                                                                                      | 14.05.16    |                             | NTS          |
| <small>COPYRIGHT © 2010 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |             |                             |              |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB045642



**Supplier:** MEM001-VC  
Metec Metal Technology Inc.  
20 Terry Fox Drive PO Box 781  
Vankleek Hill  
ON  
K0B 1R0 Canada  
Phone: 613 678 3957  
Fax: 613 678 3956

**Attention:** Walz, Shigi

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB045642

**PO Date:** 1/21/20

**Due Date:** 2/4/20

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:**

### Items

| Line Item | Job    | Part     | Drawing | Supplier Part No | Item No | Description                                                                                                    | Status        | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD)    | Extended Price  |
|-----------|--------|----------|---------|------------------|---------|----------------------------------------------------------------------------------------------------------------|---------------|---------|----------|----------------|-------------------|---------|---------------------|-----------------|
| 1         | 205944 | D3910-3P | D3910   |                  |         | Crosstube Lug<br>: Various<br>STC's<br>As Per Dwg<br>D3910 Rev.<br>E<br>Alodine and<br>Paint as Per<br>QSI 005 | Firmed<br>X30 | -       | 2/4/20   | 30 pcs         | 0 pcs             | 30 pcs  | \$17.40/pcs         | \$522.00        |
|           |        |          |         |                  |         |                                                                                                                |               |         |          |                |                   |         | <b>Grand Total:</b> | <b>\$522.00</b> |

DAS  
40  
989

JAN 21 2020

### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

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20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 [metec@metec.ca](mailto:metec@metec.ca)

## CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, Ont.  
K6A 1K7

SHIPPED TO:

same

| Quantity | Part Number | Part Name     | Dwg Rev.# | Material Batch # | Paint Batch # | P.O. Number |
|----------|-------------|---------------|-----------|------------------|---------------|-------------|
| 30       | D3910-3     | Crosstube Lug | E         | S141186          | 919398        | HB045642    |

MATERIAL: supplied by DART

DAS  
40  
9-89

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, January 21, 2020



www.metec.ca | 20 Terry Fox Drive, Vankleek Hill, Ontario, Canada K0B 1R0 | Phone: +1 613-678-3957 Fax: +1 613-678-3956

### Packing List

**Bill** Dart Aerospace Ltd.

**To:** 1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

**Ship** Dart Aerospace Ltd.

**To:** 1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

**Shipment No:** 26545

**Shipment Date:** 21-Jan-2020

**Ship Via:** Pick up at METEC

**Order Number:** 4536

**Order Date:** 01/21/2020

**Customer Code:** DART

**Phone:** (613) 632-9577

**PO Number:** POHB045642

**Terms:** Net 60 Days

----- Quantity -----

| <u>Item</u> | <u>Open</u> | <u>Shipped</u> | <u>B/O</u> | <u>Canceled</u> | <u>Unit</u> | <u>Description</u>                                                | <u>Revision</u> | <u>Job Number</u> |
|-------------|-------------|----------------|------------|-----------------|-------------|-------------------------------------------------------------------|-----------------|-------------------|
| 1           | 30          | 30             | 0          | 0               | EA          | DART-D3910-3P Crosstube Lug<br>alodined and painted as per QSI005 | E               | 4536-01           |

**RECEIVED**

JAN 21 2020

**DART AEROSPACE LTD.**

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Packing Clerk's Signature

Metec Metal Technology Inc

Received In Good Order By

Dart Aerospace Ltd.